

Title: FREEZE CONCENTRATION PROCESS Inventor: Claude Jarakae Jensen Reply to Office Action Dated: May 4, 2004 Amdt Dated: July 30, 2004 Docket No.: 10209.388 Serial No.: 10/044,158 REPLACEMENT SHEET

1 / 2

Melting point 1 atm
Boiling point 1 atm
Critical temperature
Critical pressure
Triple point
Heat of fusion at 0°C
Heat of vaporization at 100°C
Heat of sublimation at 0°C

0.000°C 100.000°C 374.15°C 218.6 psm 0.0099°C and 4.579 mmHg 79.71 cal/g; 1.436 kcal/mol 538.7 cal/g; 9.705 kcal/mol

12.16 kcal/mol

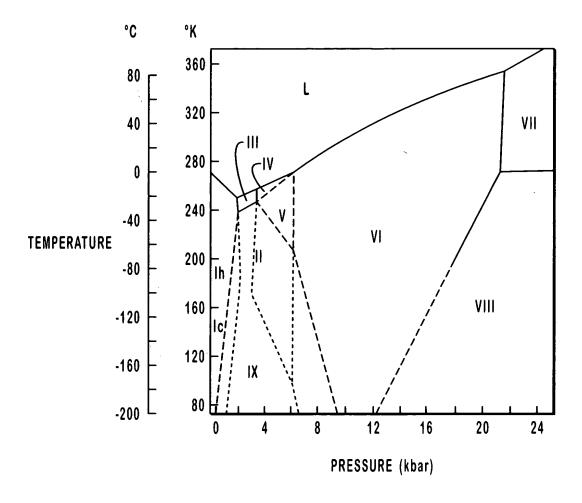
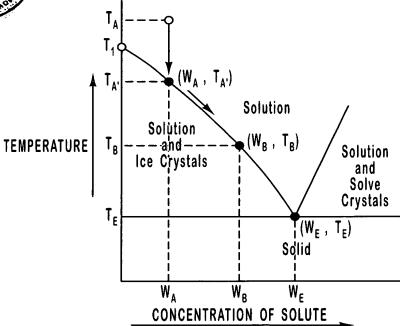


FIG. 1 (Prior Art)



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2 | 2



 $\mathbf{W}_{\mathbf{E}}$ Eutectic concentration T_E Eutectic temperature

 $\mathbf{T}_{\mathbf{A}}$ Initial temperature of solution

W_A Initial concentration of solution

T₁ Freezing point of pure solvent

 $T_{A^{\prime}}$ Freezing point of solvent

W_B Final concentration of solution

T_B Final temperature of solution

FIG. 2 (Prior Art)